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PN - JP56113760 A 19810907  
PD - 1981-09-07  
PR - JP19800015338 19800208  
OPD - 1980-02-08  
TI - STABILIZATION OF RETINOL FATTY ACID ESTER  
IN - OONISHI SHIGEKI; NISHIJIMA YASUSHI  
PA - KANEBO LTD  
IC - C07C175/00

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TI - Stabilising retinol fatty acid ester - by addn. of 2-(2-aminovinyl)-  
-3,4-dimethyl-oxazolinium iodide  
PR - JP19800015338 19800208  
PN - JP56113760 A 19810907 DW198149 005pp  
- JP59024973B B 19840613 DW198427 000pp  
PA - (KANE ) KANEBO LTD  
IC - C07C175/00  
AB - J56113760 Process comprises adding 2-(2-aminovinyl)-  
3,4-dimethyloxazolinium iodide (II) to the retinol fatty acid ester (I).  
(I) is stabilised against decompsn. by heat, light, oxygen, etc. (I)  
include acetic acid ester, lauric acid ester, myristic acid ester,  
palmitic acid ester, stearic acid ester, oleic acid ester, etc.  
- Amt. of (II) incorporated into the ester is 4-200wt.%, pref.  
15-150wt.% relative to the ester. (I) may be any form such as  
emulsion, solid, soln., ointment, etc.  
- In an example, 40 g of 95% ethyl alcohol was mixed with 0.5 g of  
polyoxyethylene hydrogenated castor oil, and to the soln. was  
further added 0.2 g soybean oil contg. 6.8% retinol fatty acid ester,  
0.00055 g stabiliser and 59 g distilled water, followed by agitation.  
The stabilised retinol can be used e.g. for the treatment of  
nyctalopia.

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- PA - KANEBO LTD
- TI - STABILIZATION OF RETINOL FATTY ACID ESTER
- AB - PURPOSE: To stabilize retinol fatty acid ester effective to maintain the normal functions of visual sense and the epithelial tissue and to enable the long-term storage thereof, by compounding the ester with a specific oxazolinium iodide.
- CONSTITUTION: Retinol fatty acid ester is stabilized with 2-(2-aminovinyl)-3,4- dimethyl-oxazolinium iodide. The amount of the stabilizer is 4-200wt%, pref. 15-150wt%, based on the ester. The ester is very unstable and difficult to be stored for a long time in a base such as water-alcohol mixture, emulsion, etc. The addition of the above stabilizer enables the stable storage. The stabilizing agent has cell activating activity, dermal function promoting activity, and metabolism promoting activity, and is nonirritant to the skin.
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